

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method of regenerating a spent catalyst composition for decomposing organophosphonate compounds, said spent catalyst composition being contaminated poisoned with phosphate-type species, comprising removing the phosphate-type species from the spent catalyst composition-washing the water-soluble phosphate-type species that are formed as products upon the catalyst composition by washing the spent catalyst composition with water.

2. (Currently Amended) A method of regenerating a spent catalyst composition for decomposing organophosphonate compounds, said catalyst composition containing a catalyst selected from the group consisting of manganese oxide, vanadium, vanadium oxide, activated carbon, diphosphorus pentaoxide P₂O₅ and mixtures thereof, comprising washing the spent catalyst composition with water.

3. (Currently Amended) A method of regenerating a spent catalyst composition containing a catalyst selected from the group consisting of manganese oxide, titanium dioxide, vanadium, vanadium oxide, activated carbon, diphosphorus pentaoxide P₂O₅ and mixtures thereof, comprising treating the catalyst composition by a process including at least one step selected from the group of steps consisting of: washing with water, washing with a solvent, heating, exposing to light, purging with oxygen, purging with a reactive gas, exposing to microwave radiation, and combinations thereof.

4-12. (Cancelled)